

STREETLIGHT CIRCUIT CAPACITY A VERIFICATION

LOCATION OF SERVICE POINT: STA. 19+30.46 DONALD NELSON AVENUE
 125 AMP 240V PAD MOUNT SERVICE A

WITH

- (1) 2 POLE 60 AMP CIRCUIT BREAKERS
- (1) 1 POLE 15 AMP CIRCUIT BREAKER
- (1) 2 POLE 60 AMP CONTACTOR
- (1) BY-PASS SWITCH PER CONTACTOR

SERVICE POINT CAPACITY:	60 AMPS
MAXIMUM ALLOWABLE DRAW 80%:	48 AMPS
EXISTING CIRCUIT LOAD:	0 AMPS

PROPOSED LUMINAIRE LOAD TO CIRCUIT

0 100 WATT LUMINAIRES @ 1.0 AMP EACH =	0.0 AMPS
4 150 WATT LUMINAIRES @ 1.3 AMP EACH =	5.2 AMPS
TOTAL PROPOSED LOAD =	5.2 AMPS

EXISTING PLUS PROPOSED LOAD 5.2 AMPS
 REMAINING AVAILABLE LOAD 42.8 AMPS

NOTE: ALL STREET LIGHT AND TRAFFIC CONDUITS ARE TO BE INSTALLED UNDER SIDEWALK AREA (TYP)

STREET LIGHT & SIGNAGE LEGEND

- 100 WATT H.P.S (PUBLIC)
- 150 WATT H.P.S (PUBLIC)
- 400 WATT H.P.S (PUBLIC)
- 1 1/4" ST. LT. CONDUIT
- 2" ST. LT. CONDUIT
- 3 1/2" PULLBOX (PUBLIC)
- 125 AMP SERVICE PEDESTAL
- R1-1 "STOP" SIGN & (2) D3 "STREET NAME" SIGNS
- (2) D3 "STREET NAME" SIGNS

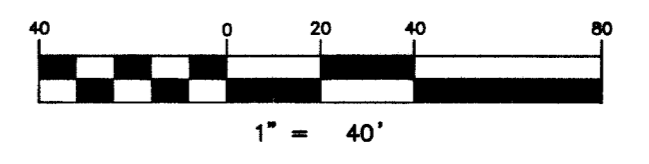
TRAFFIC DELINEATION LEGEND

- (A) INSTALL YELLOW TYPE 2 CENTERLINE DELINEATION PER USD #244
- (B) INSTALL 4" WHITE PAINTED EDGELINE
- (C) INSTALL 8" WHITE PAINTED EDGELINE

SIGNAGE LEGEND

- ① INSTALL 30" R1-1 "STOP" SIGN WITH (2) 9" D3 "STREET NAME" SIGNS
- ② INSTALL (2) 9" D3 "STREET NAME" SIGNS
- ③ INSTALL 36" R1-1 "STOP" SIGN WITH (2) 12" D3 "STREET NAME" SIGNS
- ④ INSTALL (24" X 24") R8-3A "NO PARKING" SIGNS
- ⑤ INSTALL END OF ROAD MARKERS (TYP)
- ⑥ INSTALL OM-3R "OBJECT MARKERS" AT 25' OC SPACING (TYP) (12" X 36")

GRAPHIC SCALE

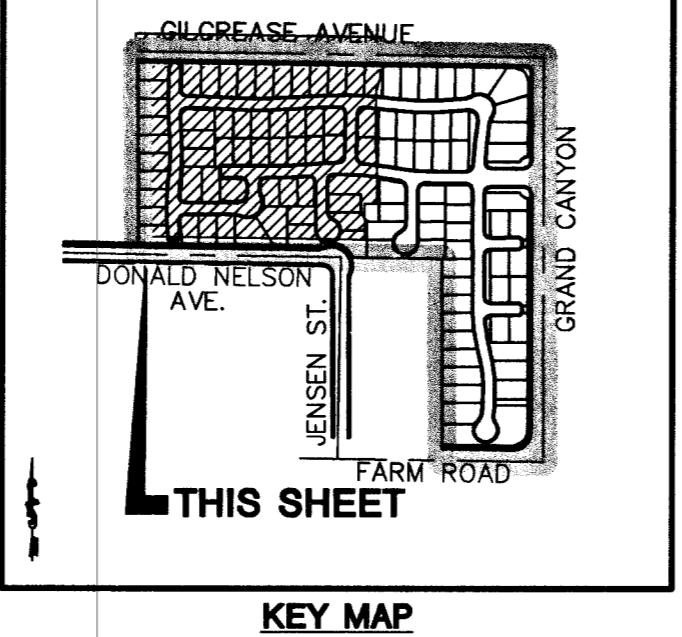


CITY OF LAS VEGAS TRAFFIC NOTES

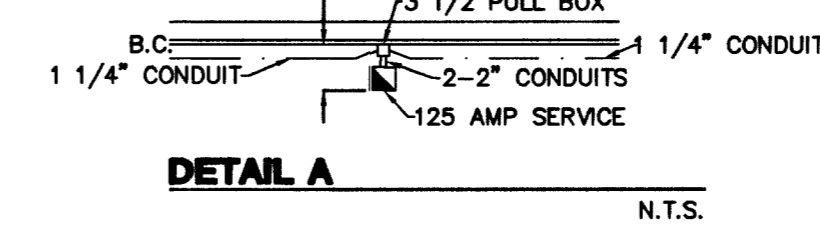
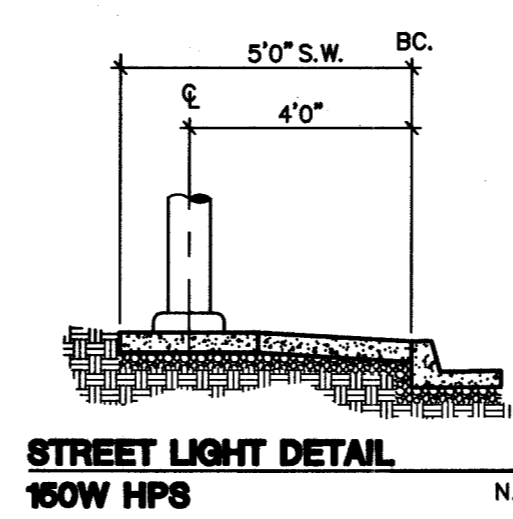
- ALL CONSTRUCTION SIGNING, BARRICADING AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
- THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
- BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER GRADING WORK IS ACCOMPLISHED AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
- WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORK STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
- IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT CITY STANDARDS.
- WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5) FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
- ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
- STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAMES SIGNS.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO ENSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET-UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHTS OF WAY.
- WORK IN THE PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
- GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE NO: 229-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL FEES FOR THE USE OF THESE OFFICERS SHALL BE SET UP BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
- ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

BENCHMARK
 PROJECT DATUM: NAVD88
 CITY OF LAS VEGAS BENCHMARK: 8LV9913NEE6
 NAVD88 ELEVATION: 873.310 METERS (2866.89 FEET)
 RIVET AND PLATE IN CONCRETE CYLINDER AT THE SOUTHWEST CORNER OF HAULAPAI AND GILCREASE

BASIS OF BEARING
 THE BASIS OF BEARINGS FOR THIS PROJECT IS SOUTH 89°11'31" EAST BEING THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4), SECTION 18, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN FILE 123 AT PAGE 32.



STREET LIGHT NOTE:
 1. ALL HAND HOLE COVERS MUST BE INSTALLED. POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT.
 2. ALL WIRE MUST HAVE THW INSULATION.
 3. ALL STREET LIGHT AND TRAFFIC CONDUITS ARE TO BE INSTALLED UNDER SIDEWALK AREA (TYP).



Call before you Overhead 1-702-227-2929
 Call before you Dig 1-800-227-2600
 Underground Utility 1-702-227-2600
 65600 Rcm 74693

PERMA-BILT HOMES
 CITY OF LAS VEGAS, NEVADA
 2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148
 PH. (702) 873-7550 FAX (702) 382-2597
 LAS VEGAS, NEVADA 89118
 nevada CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS

STREETLIGHT AND TRAFFIC PLAN
VALLEY CREST II EAST

12/2/03
 DRAWN BY: MG
 DESIGNED BY: G.R.
 CHECKED BY: G.R.
 PROJECT NO: 6157

SCALE: 1"=40' HORIZ. NONE VERT.

SHEET 38 OF 41 SHEETS
 DRAWING NO. 10744803

PROFESSIONAL ENGINEER STATE OF NEVADA
 DARRIN J. PAPPAS
 No. 15815
 CIVIL
 12/2/03